RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _09/492,764C_

Source: _1FW/6_

Date Processed by STIC: _12/16/04_

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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/492,764C**

DATE: 12/16/2004
TIME: 15:01:48

Input Set : **A:\10873-008.txt**
Output Set: **N:\CRF4\12162004\I492764C.raw**

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 5 <110> APPLICANT: Jove, Richard
 6         Hamilton, Andrew
 7         Gilbert, Richard
 8         Dalton, William
 9         Sebti, Said
10         Yu, Hua
11         Heller, Richard
12         Jaroszeski, Mark
15 <120> TITLE OF INVENTION: INHIBITION OF STAT3 SIGNAL TRANSDUCTION FOR HUMAN CANCER
THERAPY
17 <130> FILE REFERENCE: 10873-008-999
19 <140> CURRENT APPLICATION NUMBER: 09/492,764C
20 <141> CURRENT FILING DATE: 2000-01-27
22 <150> PRIOR APPLICATION NUMBER: 60/117,600
23 <151> PRIOR FILING DATE: 1999-01-27
25 <160> NUMBER OF SEQ ID NOS: 38
27 <170> SOFTWARE: PatentIn version 3.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 24
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
34 <400> SEQUENCE: 1
35 agcttcattt cccgtaaatc ccta                                          24
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 24
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
43 <400> SEQUENCE: 2
44 agcttcattt cccgtaaatc ccta                                          24
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 22
49 <212> TYPE: DNA
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 3
53 gtcccccggc cggggaggcg ct                                            22
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 25
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 4
62 cgacgacttc tcccgccgct accgc                                         25
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 25
67 <212> TYPE: DNA
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 68 <213> ORGANISM: Homo sapiens
 70 <400> SEQUENCE: 5
 71 ccgcatgctg gggccgtaca gttcc                                    25
 74 <210> SEQ ID NO: 6
 75 <211> LENGTH: 20
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Homo sapiens
 79 <400> SEQUENCE: 6
 80 cgggcattca gtgacctgac                                          20
 83 <210> SEQ ID NO: 7
 84 <211> LENGTH: 20
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Homo sapiens
 88 <400> SEQUENCE: 7
 89 tcaggaacca gcggttgaag                                          20
 92 <210> SEQ ID NO: 8
 93 <211> LENGTH: 20
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Homo sapiens
 97 <400> SEQUENCE: 8
 98 ccactgaact tctgattcgc                                          20
101 <210> SEQ ID NO: 9
102 <211> LENGTH: 20
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 9
107 gcgtgctagc tggatgtctt                                          20
110 <210> SEQ ID NO: 10
111 <211> LENGTH: 9
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 10
116 ttcggagaa                                                       9
119 <210> SEQ ID NO: 11
120 <211> LENGTH: 9
121 <212> TYPE: DNA
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 11
125 tgaggataa                                                       9
128 <210> SEQ ID NO: 12
129 <211> LENGTH: 12
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <223> OTHER INFORMATION: Xaa = Ser or Pro
137 <400> SEQUENCE: 12
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W--> 139 His Tyr Xaa Pro Ile Leu Val Tyr Gln Pro Ser Trp
    140 1   5   10

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Input Set : A:\10873-008.txt
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142 <210> SEQ ID NO: 13
143 <211> LENGTH: 12
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 13
149 Gln Asp Val His Leu Thr Gln Gln Ser Arg Tyr Thr
150 1               5                  10
152 <210> SEQ ID NO: 14
153 <211> LENGTH: 12
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 14
159 Ser His Pro Trp Asn Ala Gln Arg Glu Leu Ser Val
160 1               5                  10
162 <210> SEQ ID NO: 15
163 <211> LENGTH: 12
164 <212> TYPE: PRT
165 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 15
169 Tyr Pro Ala Pro Gln Pro Leu Val Thr Lys Thr Ser
170 1               5                  10
172 <210> SEQ ID NO: 16
173 <211> LENGTH: 12
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 16
179 Phe Ser Tyr Pro Leu Thr Arg Ala Pro Leu Asn Met
180 1               5                  10
182 <210> SEQ ID NO: 17
183 <211> LENGTH: 7
184 <212> TYPE: PRT
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 17
189 His Ala Ile Tyr Pro Arg Asn
190 1               5
192 <210> SEQ ID NO: 18
193 <211> LENGTH: 7
194 <212> TYPE: PRT
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 18
199 Ala Ser Thr Leu Pro Lys Ala
200 1               5
202 <210> SEQ ID NO: 19
203 <211> LENGTH: 7
204 <212> TYPE: PRT
205 <213> ORGANISM: Homo sapiens
207 <400> SEQUENCE: 19
209 Ile Gln Ser Pro His Phe Phe
210 1               5
```

```
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        213 <211> LENGTH: 6
        214 <212> TYPE: PRT
        215 <213> ORGANISM: Homo sapiens
        217 <220> FEATURE:
        218 <221> NAME/KEY: misc_feature
        219 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        221 <400> SEQUENCE: 20
W-->    223 Pro Xaa Leu Lys Thr Lys
        224 1               5
        226 <210> SEQ ID NO: 21
        227 <211> LENGTH: 6
        228 <212> TYPE: PRT
        229 <213> ORGANISM: Homo sapiens
        231 <400> SEQUENCE: 21
        233 Pro Tyr Leu Lys Thr Lys
        234 1               5
        236 <210> SEQ ID NO: 22
        237 <211> LENGTH: 6
        238 <212> TYPE: PRT
        239 <213> ORGANISM: Homo sapiens
        241 <220> FEATURE:
        242 <221> NAME/KEY: misc_feature
        243 <223> OTHER INFORMATION: Xaa= Phosphotyrosine
        245 <400> SEQUENCE: 22
W-->    247 Ala Xaa Leu Lys Thr Lys
        248 1               5
        250 <210> SEQ ID NO: 23
        251 <211> LENGTH: 6
        252 <212> TYPE: PRT
        253 <213> ORGANISM: Homo sapiens
        255 <220> FEATURE:
        256 <221> NAME/KEY: misc_feature
        257 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        259 <400> SEQUENCE: 23
W-->    261 Pro Xaa Ala Lys Thr Lys
        262 1               5
        264 <210> SEQ ID NO: 24
        265 <211> LENGTH: 6
        266 <212> TYPE: PRT
        267 <213> ORGANISM: Homo sapiens
        269 <220> FEATURE:
        270 <221> NAME/KEY: misc_feature
        271 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        273 <400> SEQUENCE: 24
W-->    275 Pro Xaa Leu Ala Thr Lys
        276 1               5
        278 <210> SEQ ID NO: 25
        279 <211> LENGTH: 6
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        280 <212> TYPE: PRT
        281 <213> ORGANISM: Homo sapiens
        283 <220> FEATURE:
        284 <221> NAME/KEY: misc_feature
        285 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        287 <400> SEQUENCE: 25
W-->    289 Pro Xaa Leu Lys Ala Lys
        290 1               5
        292 <210> SEQ ID NO: 26
        293 <211> LENGTH: 6
        294 <212> TYPE: PRT
        295 <213> ORGANISM: Homo sapiens
        297 <400> SEQUENCE: 26
        299 Pro Tyr Leu Lys Thr Ala
        300 1               5
        302 <210> SEQ ID NO: 27
        303 <211> LENGTH: 4
        304 <212> TYPE: PRT
        305 <213> ORGANISM: Homo sapiens
        307 <220> FEATURE:
        308 <221> NAME/KEY: misc_feature
        309 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        311 <400> SEQUENCE: 27
W-->    313 Pro Xaa Leu Lys
        314 1
        316 <210> SEQ ID NO: 28
        317 <211> LENGTH: 4
        318 <212> TYPE: PRT
        319 <213> ORGANISM: Homo sapiens
        321 <220> FEATURE:
        322 <221> NAME/KEY: misc_feature
        323 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        325 <400> SEQUENCE: 28
W-->    327 Pro Xaa Phe Lys
        328 1
        330 <210> SEQ ID NO: 29
        331 <211> LENGTH: 3
        332 <212> TYPE: PRT
        333 <213> ORGANISM: Homo sapiens
        335 <220> FEATURE:
        336 <221> NAME/KEY: misc_feature
        337 <223> OTHER INFORMATION: Xaa = Phosphotyrosine
        339 <400> SEQUENCE: 29
W-->    341 Xaa Leu Lys
        342 1
        344 <210> SEQ ID NO: 30
        345 <211> LENGTH: 4
        346 <212> TYPE: PRT
        347 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/16/2004
PATENT APPLICATION: US/09/492,764C   TIME: 15:01:49

Input Set : A:\10873-008.txt
Output Set: N:\CRF4\12162004\I492764C.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; Xaa Pos. 3
Seq#:20; Xaa Pos. 2
Seq#:22; Xaa Pos. 2
Seq#:23; Xaa Pos. 2
Seq#:24; Xaa Pos. 2
Seq#:25; Xaa Pos. 2
Seq#:27; Xaa Pos. 2
Seq#:28; Xaa Pos. 2
Seq#:29; Xaa Pos. 1
Seq#:30; Xaa Pos. 2
Seq#:32; Xaa Pos. 1,2
Seq#:34; Xaa Pos. 1,2
Seq#:35; Xaa Pos. 2
Seq#:36; Xaa Pos. 1,2
Seq#:37; Xaa Pos. 2
Seq#:38; Xaa Pos. 2

Input Set : **A:\10873-008.txt**
Output Set: **N:\CRF4\12162004\I492764C.raw**

```
L:139 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:12
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:223 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:20
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:247 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:22
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:261 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:23
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:275 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:24
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:289 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:25
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:313 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:27
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:327 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:28
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:341 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:29
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:355 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:30
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:376 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:377 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:380 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:381 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:382 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:407 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:408 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:411 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:412 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:413 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:431 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:35
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:443 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:444 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:447 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:448 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:449 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:469 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:37
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:483 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:38
L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
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